DANIEL J. SAELENS II

Technical Operations | Systems Engineering | Software Engineering
(719) 367-3322 | danieljoesaelens@gmail.com | linkedin.com/in/daniel-saelens | github.com/DanielSaelens

PROFESSIONAL SUMMARY

Technical operations and systems professional with 12 years of U.S. Army National Guard experience leading network operations, communications infrastructure, systems integration, and technical teams. Completing a B.S. in Computer Science in December 2026, with hands-on software development experience including a production hardware-monitoring tool delivered for HP engineering teams. Combines real-world infrastructure leadership, Linux and network administration, cross-system integration, and software engineering capability with extensive team leadership and operational responsibility.

PROFESSIONAL EXPERIENCE

Network Operations Supervisor | U.S. Army National Guard | September 2014 - Present

- Lead a 10-person technical team responsible for IT and network infrastructure supporting uninterrupted email, phone, and wired internet services across the organization.
- Administer a geographically distributed communications network across three countries, maintaining interoperability between remote sites operating on independent infrastructure.
- Designed and built a meteorological data system from the ground up, integrating five sensor platforms through independent Linux configuration and network setup into a unified safety-determination feed.
- Established a working interface between two independently designed control systems with no common protocol, enabling real-time coordination between international teams and a successful demonstration to senior officials from both nations.
- Authored a technical runbook adopted by a partner team abroad, standardizing troubleshooting procedures and support escalation.
- Mentored six team members through education benefits and career development, resulting in all six pursuing college degrees.

SOFTWARE ENGINEERING EXPERIENCE

Senior Design Capstone - Software Team Project Manager | Colorado School of Mines / Hewlett-Packard | 2026

- Designed the graphical user interface for a hardware-monitoring system and helped deliver a production tool now in active use by HP engineering teams.
- Built data-abstraction functions that convert raw hardware telemetry into quantifiable metrics for real-time graphing and automated system warnings.
- Managed software-team delivery by defining technical scope, prioritizing features, and coordinating the schedule from design through implementation.
- Collaborated with HP software stakeholders to align development with internal Python standards and engineering practices and deliver to client specifications.

Selected Software Engineering Projects | Colorado School of Mines | January 2024 - Present

- Led a three-person team developing an Android bowling application in Kotlin, including cloud storage, user accounts, and a working demonstration.
- Implemented email-verified user authentication through Firebase and configurable user features.
- Led team strategy for an NP-hard optimization competition, balancing solution quality against runtime constraints.

EDUCATION

Colorado School of Mines | B.S. Computer Science, Business Economics Focus | December 2026

TECHNICAL SKILLS

Languages: Python, Java, C++, C, Scala, SQL, Kotlin
Technologies: Linux, Git, SQL, Firebase Authentication, REST APIs, Agile/Scrum, LLMs, Prompt Engineering
Leadership & Certifications: Army Management Course (2021), Eagle Scout (2013)